Version Description Document

for the

Enhanced Linked Virtual Information System (ELVIS)

Version 1.3

(Solaris 2.3/HP-UX 9.07 format)

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1. SYSTEM OVERVIEW

The Enhanced Linked Virtual Information System (ELVIS) provides a capability to view tactical information in geographic plots and tabular displays resident in a Global Command and Control System (GCCS) host system using a commercial web browser compatible with the Netscape extensions to HyperText Markup Language (HTML). ELVIS software runs on the GCCS host in the background and does not interfere with normal workstation operations (except for an additional CPU load when servicing browser requests).

ELVIS allows the user to plot selected track data and tactical overlays on high resolution maps. The user can perform a family of operations, such as track hook, map zoom, and range/bearing calculations. System administration utilities are provided to configure and tune ELVIS. A user login is required to gain access to the tactical information.

2. REFERENCED DOCUMENTS

None.

3. VERSION DESCRIPTION

3.1   Inventory of Materials Released

  Magnetic media: 4mm tape consisting of the ELVIS and WEBSOF segments, HP-UX format, intended for the TAC-3 or TAC-4 hardware environment.

  € Magnetic media: 8mm tape consisting of the ELVIS segment, Solaris format, intended for the SparcStation 5 or SparcStation 20 hardware environment.

  € *Version Description Document for the Enhanced Linked Virtual Information System (ELVIS) Version 1.3,* Document Control No. ELVIS.ELVIS.1.3.VDD-1, March 7, 1996.

  € ELVIS uses the httpd web daemon from CERN and is subject to its shareware copyright restrictions.

3.2   Software Changes

This is the first release of ELVIS; therefore, this release contains no software changes.

4.   INSTALLATION INSTRUCTIONS

Refer to the *Installation Procedures for the Enhanced Linked Virtual Information System (ELVIS) and Web Status of Forces Version 1.3* for installation instructions.

5.   KNOWN PROBLEMS AND ERRORS (AND DESIGN ISSUES)

1. On a dual-eye HP hardware configuration, the first user to log in must stay logged in for ELVIS to continue servicing browser requests. Testing has not been performed on systems with more than two eyes.

2. LINK data in Unified Build (UB) is not accessible from ELVIS; the LINK track data will be displayed on the tactical plot, but the textual summary is not available by clicking on the track.

3. Some security issues remain unresolved, but the next release of ELVIS will implement CERN security directly by the HTTP daemon.

4. The plot controls to set the track label for shortname/DTG, shortname/LAT&LNG, source, and sensor do not work when ELVIS is run on a UB 2.1.2.2 host (these controls are not available on UB 2.1.2.2).

5. The number of characters in the track label is not preserved when a FIND operation followed by a CENTER ON option is executed (although the plot control window shows the correct number of characters). This is also a UB 2.1.2.2 problem.

6. The following two conditions occur (by design in order to improve system performance) when more than 250 contacts are displayed:

    a. No track symbols are active but all displayed track name labels are active (and declutter will limit the number of labels).

    b. The UNIT option will only provide a list of tracks whose labels are displayed. For example, a "whole world" display of 1,500 tracks will have no "hot" track symbols but may have 50 "hot" track name labels. In this case, the UNIT option provides a list of the 50 tracks with name labels. For a complete listing of all tracks, use the FIND option with an asterisk in the NAME field.

1. When viewing Status of Resources and Training System (SORTS) information, the user can navigate to other parts of the SORTS document by clicking text links. In order to return to the top of the SORTS document, either scroll or press the **[BACK]** key (provided by the browser). If scrolling is used, then the following two scenarios may result when the user clicks

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on the SOF button bar or selects SORTS messages (located at the bottom of the SORTS document):

    a.   When clicking on the **[SOF]** button bar, two clicks may be required to access the desired data set. **Note**: The Uniform Resource Locator (URL) changes following the first click.

    b.   After clicking on a SORTS or CASREP message, the browser's **[BACK]** key may present a contaminated document. In this case, press the **[BACK]** key until a valid document appears.

    c.   A contaminated link may appear when the same local link is clicked twice (a local link references a position within the same HTML document).

These problems appear when using the Netscape Navigator Version 1.1 or 1.2 (and are partially corrected in Version 2.0). Different browsers may behave differently. For example, Microsoft Explorer 1.5 does not support local links.

1. Some links in the unit Employment Schedules (EMPSKD) are not active, although they appear hot. (e.g., Commander Task Force (CTFs), Commander Task Group (CTGs), Commander Task Unit (CTUs)).

1. At the end of an ELVIS installation, the text string ".domainame" may be displayed to the installer as part of the ELVIS URL; it should be replaced with the site's domain (the URL should be distributed to all prospective users). On Solaris hosts running NIS, this text string is the NIS hostname instead of the Domain Name Server (DNS) hostname.

2. The number of users per ELVIS host is limited to 1000.

3. The user account options for priority and read-only/read-write are not implemented.